

ISO 16028

MASCHIO INNESTABILE IN PRESSIONE
 MALE CONNECTABLE UNDER PRESSURE
 STECKER UNTER DRUCK KUPPELBAR
 MÂLE ACCOUPlable SOUS PRESSION

Caratteristiche tecniche

- Norma: ISO 16028 (DN06→DN30)
- Occlusione: faccia piana
- Aggancio: sfere radiali
- Materiale: acciaio ad alta resistenza
- Finitura: Zn-Fe (Cr III) e Zn-Ni
- Filettature: BSP - NPT - SAE - METRICHE
- Guarnizioni standard: NBR e PU
- Temperatura d'esercizio: -25 °C +100 °C
- Guarnizioni opzionali: FKM, EPDM o altro
- Pressioni di esercizio: 250-400 bar
- Connessione in pressione: consentita (solo lato maschio)
- Massima pressione residua: 250 bar

Technical data

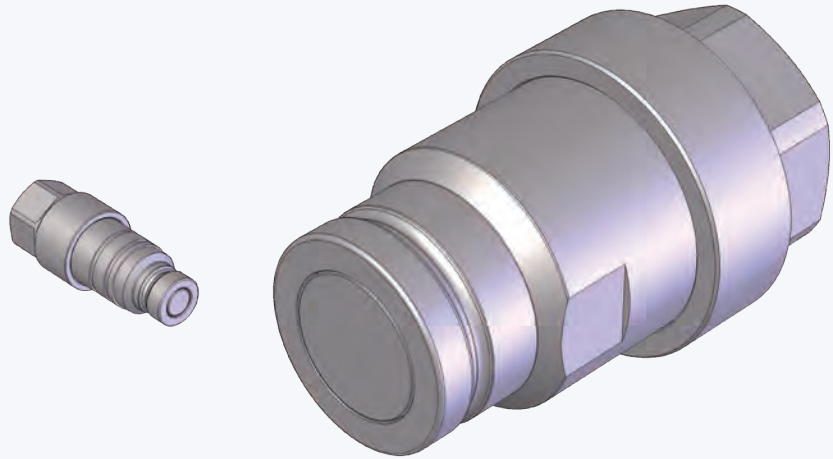
- Standard: ISO 16028 (DN06→DN30)
- Occlusion: flat face
- Locking: radial balls
- Material: high resistance steel
- Finishing: Zn-Fe (Cr III) and Zn-Ni
- Threads: BSP - NPT - SAE - METRIC
- Standard seals: NBR and PU
- Working temperature: -25 °C +100 °C
- Optional seals: FKM, EPDM or more
- Working pressure: 250-400 bar
- Connection under pressure: allowed (male side only)
- Max residual pressure: 250 bar

Technische Merkmale

- Norm: ISO 16028 (DN06→DN30)
- Verschluss: flachdichtend
- Kupplung: Radial Kugeln
- Werkstoff: hochfester Stahl
- Ausführung: Zn-Fe (Cr III) und Zn-Ni
- Gewinde: BSP - NPT - SAE - METRISCHE
- Standard-Dichtungen: NBR und PU
- Betriebstemperatur: -25 °C +100 °C
- Dichtungen nach Wahl: FKM, EPDM, usw.
- Betriebsdruck: 250-400 bar
- Kuppeln unter Druck: erlaubt (nur männliche Seite)
- Max. Restdruck: 250 bar

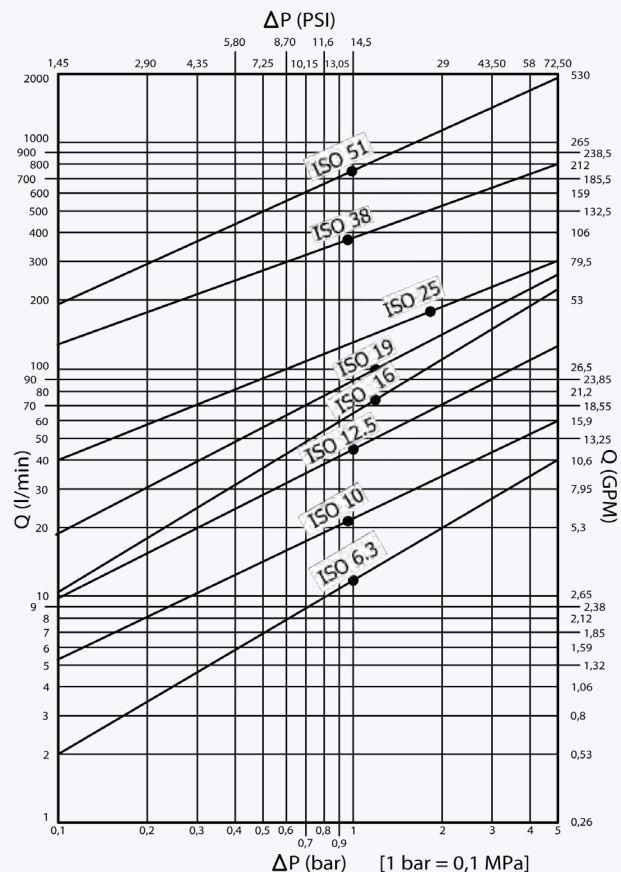
Caracteristiques techniques

- Norme: ISO 16028 (DN06→DN30)
- Obturation: clapet plat
- Accrochage: billes radiales
- Matériel: acier à haute résistance
- Traitement: Zn-Fe (Cr III) et Zn-Ni
- Taraudage: BSP - NPT - SAE - METRIQUES
- Joints standard: NBR et PU
- Température de service: -25 °C +100 °C
- Joints facultatifs: FKM, EPDM, ect.
- Pression de service: 250-400 bar
- Connexion sous pression: possible (seulement côté male)
- Pression restante max: 250 bar

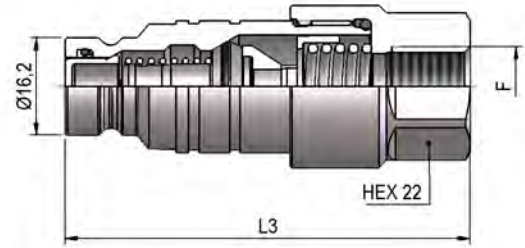


| Nominal size | | | | Max working pressure | Rated flow | Max flow rate | Min burst pressure | | | Fluid spillage |
|--------------|----|------|------|----------------------|------------|---------------|--------------------|----------|---------|----------------|
| DNP | BG | ISO | mm | | | | Male | Female | Coupled | |
| 06 | 1 | 6.3 | 6 | 40 | 12 | 24 | 190 | See PLT4 | 190 | 0.008 |
| 13 | 2 | 10 | 8.6 | 35 | 23 | 46 | 140 | See PLT4 | 140 | 0.010 |
| 20 | 3 | 12.5 | 10.7 | 35 | 45 | 90 | 140 | See PLT4 | 140 | 0.012 |
| 22 | 4A | 16 | 12.8 | 35 | 74 | 150 | 140 | See PLT4 | 140 | 0.015 |
| 25 | 4 | 19 | 14.8 | 30 | 100 | 200 | 120 | See PLT4 | 120 | 0.020 |
| 30 | 5 | 25 | 17.6 | 30 | 189 | 280 | 120 | See PLT4 | 120 | 0.030 |
| 39 | 7 | 38 | 30 | 25 | 379 | 700 | 100 | See PLT1 | 110 | 0.050 |
| 50 | 8 | 51 | 40.6 | 25 | 757 | 1000 | 100 | See PLT1 | 100 | 0.100 |

1 MPa = 145.04 psi • 1 l = 0.264 gal

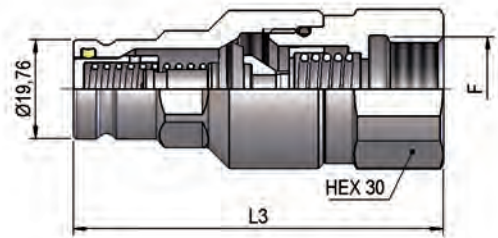


PLK4 DN06 - BG 1 - ISO 6.3



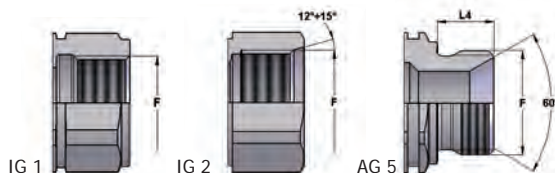
| THREADS | L3 | L4 | F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | MASCHIO - MALE - STECKER - MALE | | |
|-------------|------|----|-----------------|--------------|------------------------------------|---------------------------------|------------|------------------|
| | | | | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| IG 1 | 67.5 | | BSP 1/4" | DIN 3852-2-X | See PLT4 DN06 | PLK4.0606.113 | 142 | 100 |
| | 67.5 | | NPT 1/4" | ANSI B1.20.3 | See PLT4 DN06 | PLK4.0606.013 | 143 | 100 |
| IG 2 | 67.5 | | 9/16"-18 UNF 2B | SAE J 1926-1 | See PLT4 DN06 | PLK4.0615.033 | 139 | 100 |
| AG 5 | 79 | 12 | BSP 1/4" | DIN 3852-2-A | See PLT4 DN06 | PLK4.0606.713 | 156 | 100 |

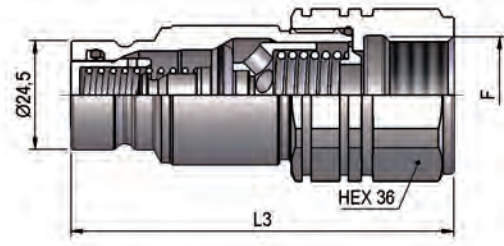
PLK4 DN13 - BG2- ISO 10



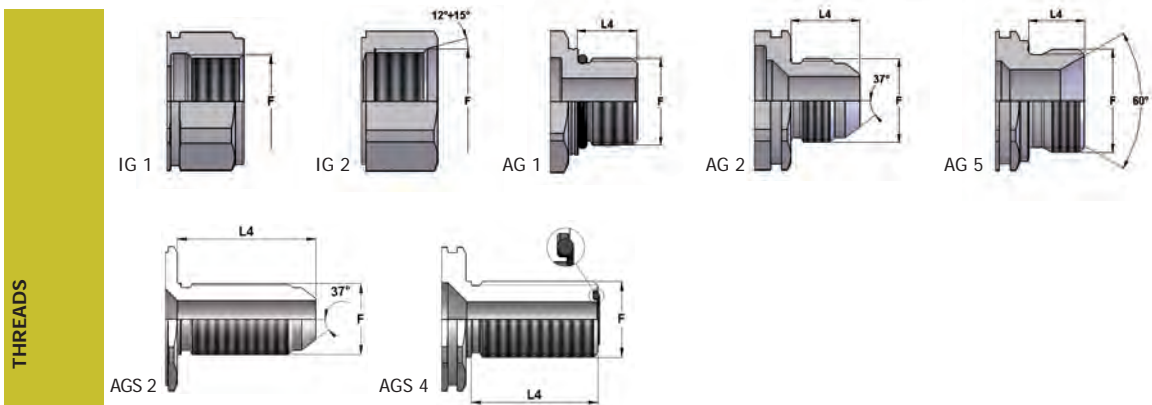
| THREADS | L3 | L4 | F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | MASCHIO - MALE - STECKER - MALE | | |
|-------------|------|----|-----------------|--------------|------------------------------------|---------------------------------|------------|------------------|
| | | | | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| IG 1 | 74 | | BSP 1/4" | DIN 3852-2-X | See PLT4 DN13 | PLK4.1306.113 | 250 | 60 |
| | 74 | | BSP 3/8" | DIN 3852-2-X | See PLT4 DN13 | PLK4.1310.113 | 240 | 60 |
| | 77.5 | | NPT 3/8" | ANSI B1.20.3 | See PLT4 DN13 | PLK4.1310.013 | 256 | 60 |
| | 74 | | BSP 1/2" | DIN 3852-2-X | See PLT4 DN13 | PLK4.1313.113 | 226 | 60 |
| | 78 | | NPT 1/2" | ANSI B1.20.3 | See PLT4 DN13 | PLK4.1313.013 | 243 | 60 |
| | 74 | | M16x1.5 | ISO 6149-1 | See PLT4 DN13 | PLK4.1316.103 | 243 | 60 |
| | 74 | | M18x1.5 | ISO 6149-1 | See PLT4 DN13 | PLK4.1318.103 | 237 | 60 |
| IG 2 | 75 | | 9/16"-18 UNF 2B | SAE J 1926-1 | See PLT4 DN13 | PLK4.1315.033 | 251 | 60 |
| | 75 | | 3/4"-16 UNF 2B | SAE J 1926-1 | See PLT4 DN13 | PLK4.1319.033 | 235 | 60 |
| | 75 | | M22x1.5 | SAE J 2244/1 | See PLT4 DN13 | PLK4.1322.103 | 222 | 60 |
| AG 5 | 75 | 13 | BSP 1/2" | BS B5200 | See PLT4 DN13 | PLK4.1313.703 | 211 | 60 |

THREADS

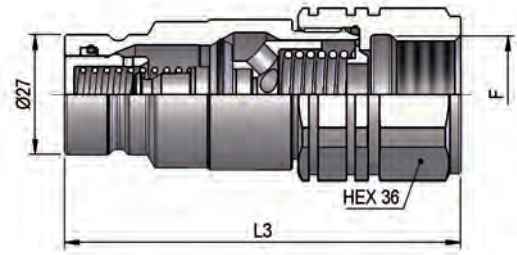


PLK4 DN20 - BG 3 - ISO 12.5


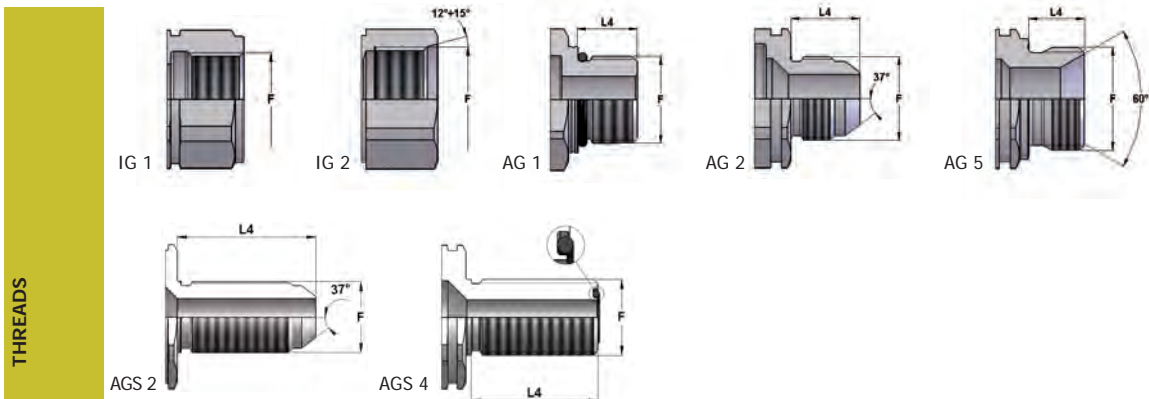
| THREADS | L3 | L4 | F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | | MASCHIO - MALE - STECKER - MALE | |
|--------------|-------|------|-----------------|--------------|------------------------------------|---------------|---------------------------------|------------------|
| | | | | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| IG 1 | 84.5 | | BSP 1/2" | DIN 3852-2-X | See PLT4 DN20 | PLK4.2013.113 | 362 | 42 |
| | 86 | | NPT 1/2" | ANSI B1.20.3 | See PLT4 DN20 | PLK4.2013.013 | 375 | 42 |
| | 86 | | RC 1/2" | EN 10226 | See PLT4 DN20 | PLK4.2013.043 | 376 | 42 |
| | 86.5 | | BSP 3/4" | DIN 3852-2-X | See PLT4 DN20 | PLK4.2019.113 | 342 | 42 |
| | 86 | | NPT 3/4" | ANSI B1.20.3 | See PLT4 DN20 | PLK4.2019.013 | 347 | 42 |
| | 86 | | RC 3/4" | EN 10226 | See PLT4 DN20 | PLK4.2019.043 | 351 | 42 |
| | 82.5 | | M18x1.5 | ISO 6149-1 | See PLT4 DN20 | PLK4.2018.103 | 361 | 42 |
| | 82 | | M22x1.5 | ISO 6149-1 | See PLT4 DN20 | PLK4.2022.103 | 344 | 42 |
| | 86 | | M26x1.5 | ISO 6149-1 | See PLT4 DN20 | PLK4.2026.103 | 341 | 42 |
| | 86 | | M30x1.5 | ISO 6149-1 | See PLT4 DN20 | PLK4.2030.103 | 314 | 42 |
| IG 2 | 82 | | 3/4"-16 UNF 2B | SAE J 1926-1 | See PLT4 DN20 | PLK4.2019.033 | 354 | 42 |
| | 86 | | 7/8"-14 UNF 2B | SAE J 1926-1 | See PLT4 DN20 | PLK4.2023.033 | 366 | 42 |
| | 86 | | 1"1/16-12 UN 2B | SAE J 1926-1 | See PLT4 DN20 | PLK4.2027.033 | 336 | 42 |
| AG 1 | 87.5 | 18.5 | 1"1/16-12 UN 2A | SAE J 1926-3 | See PLT4 DN20 | PLK4.2027.333 | 329 | 42 |
| AG 2 | 87.7 | 16.7 | 3/4"-16 UNF 2A | SAE J 514 | See PLT4 DN20 | PLK4.2019.303 | 308 | 42 |
| | 90.3 | 19.3 | 7/8"-14 UNF 2A | SAE J 514 | See PLT4 DN20 | PLK4.2023.303 | 317 | 42 |
| | 93 | 22 | 1"1/16-12 UN 2A | SAE J 514 | See PLT4 DN20 | PLK4.2027.303 | 332 | 42 |
| AG 5 | 90 | 16 | BSP 3/4" | DIN 3852-2-A | See PLT4 DN20 | PLK4.2019.713 | 333 | 42 |
| AGS 2 | 108.6 | 37.6 | 3/4"-16 UNF 2A | SAE J 514 | See PLT4 DN20 | PLK4.2019.503 | 347 | 42 |
| | 112.1 | 41.1 | 7/8"-14 UNF 2A | SAE J 514 | See PLT4 DN20 | PLK4.2023.503 | 352 | 42 |
| | 116.4 | 45.4 | 1"1/16-12 UN 2A | SAE J 514 | See PLT4 DN20 | PLK4.2027.503 | 384 | 42 |
| AGS 4 | 109.5 | 38.5 | 1"-14 UNS 2A | SAE J 1453 | See PLT4 DN20 | PLK4.2025.533 | 383 | 42 |
| | 111 | 40 | 1"3/16-12 UN 2A | SAE J 1453 | See PLT4 DN20 | PLK4.2030.533 | 427 | 42 |

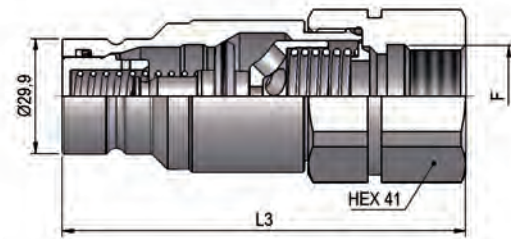


PLK4 DN22 - BG 4A - ISO 16

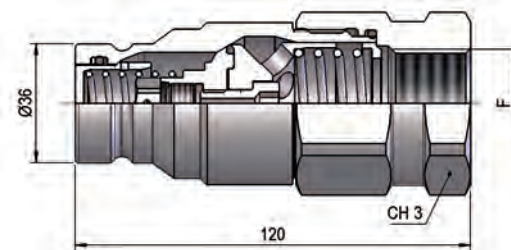


| THREADS | L3 | L4 | F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | MASCHIO - MALE - STECKER - MALE | | |
|---------|-------|------|-----------------|--------------|------------------------------------|---------------------------------|------------|------------------|
| | | | | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| IG 1 | 87.5 | | BSP 1/2" | DIN 3852-2-X | See PLT4 DN22 | PLK4.2213.113 | 398 | 42 |
| | 89 | | NPT 1/2" | ANSI B1.20.3 | See PLT4 DN22 | PLK4.2213.013 | 411 | 42 |
| | 89 | | RC 1/2" | EN 10226 | See PLT4 DN22 | PLK4.2213.043 | 412 | 42 |
| | 89.5 | | BSP 3/4" | DIN 3852-2-X | See PLT4 DN22 | PLK4.2219.113 | 378 | 42 |
| | 89 | | NPT 3/4" | ANSI B1.20.3 | See PLT4 DN22 | PLK4.2219.013 | 383 | 42 |
| | 89 | | RC 3/4" | EN 10226 | See PLT4 DN22 | PLK4.2219.043 | 387 | 42 |
| | 85.5 | | M18x1.5 | ISO 6149-1 | See PLT4 DN22 | PLK4.2218.103 | 397 | 42 |
| | 85 | | M22x1.5 | ISO 6149-1 | See PLT4 DN22 | PLK4.2222.103 | 380 | 42 |
| | 89 | | M26x1.5 | ISO 6149-1 | See PLT4 DN22 | PLK4.2226.103 | 377 | 42 |
| | 89 | | M30x1.5 | ISO 6149-1 | See PLT4 DN22 | PLK4.2230.103 | 350 | 42 |
| IG 2 | 85 | | 3/4"-16 UNF 2B | SAE J 1926-1 | See PLT4 DN22 | PLK4.2219.033 | 390 | 42 |
| | 89 | | 7/8"-14 UNF 2B | SAE J 1926-1 | See PLT4 DN22 | PLK4.2223.033 | 402 | 42 |
| | 89 | | 1"1/16-12 UN 2B | SAE J 1926-1 | See PLT4 DN22 | PLK4.2227.033 | 373 | 42 |
| AG 1 | 90.5 | 18.5 | 1"1/16-12 UN 2A | SAE J 1926-3 | See PLT4 DN22 | PLK4.2227.333 | 365 | 42 |
| AG 2 | 90.7 | 16.7 | 3/4"-16 UNF 2A | SAE J 514 | See PLT4 DN22 | PLK4.2219.303 | 344 | 42 |
| | 93.3 | 19.3 | 7/8"-14 UNF 2A | SAE J 514 | See PLT4 DN22 | PLK4.2223.303 | 353 | 42 |
| | 96 | 22 | 1"1/16-12 UN 2A | SAE J 514 | See PLT4 DN22 | PLK4.2227.303 | 369 | 42 |
| AG 5 | 93 | 16 | BSP 3/4" | DIN 3852-2-A | See PLT4 DN22 | PLK4.2219.713 | 369 | 42 |
| AGS 2 | 111.6 | 37.6 | 3/4"-16 UNF 2A | SAE J 514 | See PLT4 DN22 | PLK4.2219.503 | 383 | 42 |
| | 115.1 | 41.1 | 7/8"-14 UNF 2A | SAE J 514 | See PLT4 DN22 | PLK4.2223.503 | 388 | 42 |
| | 119.4 | 45.4 | 1"1/16-12 UN 2A | SAE J 514 | See PLT4 DN22 | PLK4.2227.503 | 420 | 42 |
| AGS 4 | 112.5 | 38.5 | 1"-14 UNS 2A | SAE J 1453 | See PLT4 DN22 | PLK4.2225.533 | 419 | 42 |
| | 114 | 40 | 1"3/16-12 UN 2A | SAE J 1453 | See PLT4 DN22 | PLK4.2230.533 | 463 | 42 |

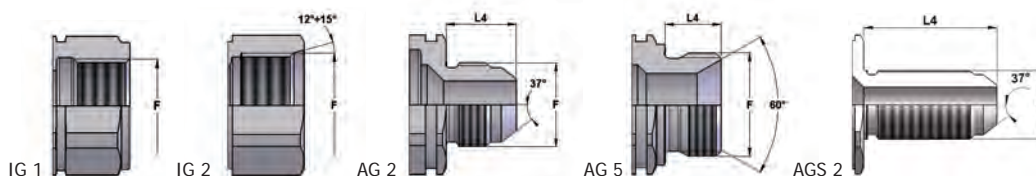


PLK4 DN25 - BG 4 - ISO 19


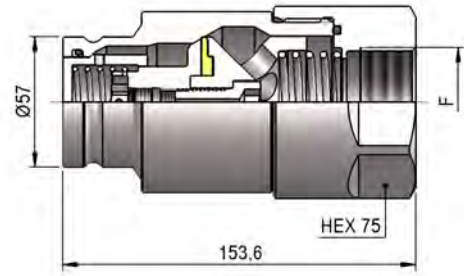
| THREADS | L3 | L4 | F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | MASCHIO - MALE - STECKER - MALE | | |
|--------------|-------|------|-----------------|--------------|------------------------------------|---------------------------------|------------|------------------|
| | | | | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| IG 1 | 105 | | BSP 3/4" | DIN 3852-2-X | See PLT4 DN25 | PLK4.2519.113 | 582 | 30 |
| | 105 | | NPT 3/4" | ANSI B1.20.3 | See PLT4 DN25 | PLK4.2519.013 | 589 | 30 |
| | 105 | | BSP 1" | DIN 3852-2-X | See PLT4 DN25 | PLK4.2525.113 | 518 | 30 |
| | 105 | | NPT 1" | ANSI B1.20.3 | See PLT4 DN25 | PLK4.2525.013 | 531 | 30 |
| | 105 | | M30x1.5 | ISO 6149-1 | See PLT4 DN25 | PLK4.2530.103 | 555 | 30 |
| IG 2 | 105 | | 1"1/16-12 UN 2B | SAE J 1926-1 | See PLT4 DN25 | PLK4.2527.033 | 576 | 30 |
| | 105 | | 1"5/16-12 UN 2B | SAE J 1926-1 | See PLT4 DN25 | PLK4.2533.033 | 517 | 30 |
| AG 2 | 109.1 | 23.1 | 1"5/16-12 UN 2A | SAE J 514 | See PLT4 DN25 | PLK4.2533.303 | 516 | 30 |
| AGS 2 | 131.4 | 45.4 | 1"5/16-12 UN 2A | SAE J 514 | See PLT4 DN25 | PLK4.2533.503 | 627 | 30 |
| AG 5 | 107 | 18 | BSP 1" | DIN 3852-2-B | See PLT4 DN25 | PLK4.2525.213 | 525 | 30 |
| | 103 | 17 | BSP 1" | BS B5200 | See PLT4 DN25 | PLK4.2525.703 | 502 | 30 |
| | 105 | 16 | BSP 3/4" | DIN 3852-2-A | See PLT4 DN25 | PLK4.2519.713 | 500 | 30 |
| | 107 | 18 | BSP 1" | DIN 3852-2-A | See PLT4 DN25 | PLK4.2525.713 | 526 | 30 |

PLK4 DN30 - BG 5 - ISO 25


| THREADS | CH3 | F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | MASCHIO - MALE - STECKER - MALE | | |
|-------------|-----|-----------------|--------------|------------------------------------|---------------------------------|------------|------------------|
| | | | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| IG 1 | 50 | BSP 1" | DIN 3852-2-X | See PLT4 DN30 | PLK4.3025.113 | 1038 | 8 |
| | 50 | NPT 1" | ANSI B1.20.3 | See PLT4 DN30 | PLK4.3025.013 | 1045 | 8 |
| | 55 | BSP 1"1/4 | DIN 3852-2-X | See PLT4 DN30 | PLK4.3031.113 | 1109 | 8 |
| | 55 | NPT 1"1/4 | ANSI B1.20.3 | See PLT4 DN30 | PLK4.3031.013 | 1123 | 8 |
| IG 2 | 50 | 1"5/16-12 UN 2B | SAE J 1926-1 | See PLT4 DN30 | PLK4.3033.033 | 1028 | 8 |
| | 55 | 1"5/8-12 UN 2B | SAE J 1926-1 | See PLT4 DN30 | PLK4.3041.033 | 1111 | 8 |

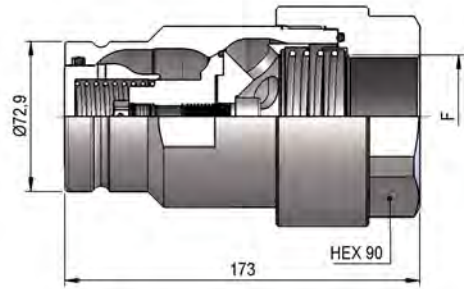
THREADS


PLK4 DN39 - BG 7 - ISO 38



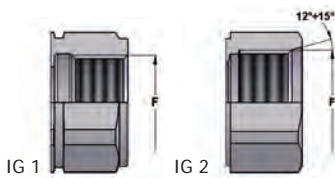
| F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | MASCIO - MALE - STECKER - MALE | | |
|---------|--------------|------------------------------------|--------------------------------|------------|------------------|
| | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| BSP 1"½ | DIN 3852-2-X | See PLT1 DN39 | PLK4.3939.113 | 3350 | 9 |
| NPT 1"½ | ANSI B1.20.3 | See PLT1 DN39 | PLK4.3939.013 | 3190 | 9 |

PLK4 DN50 - BG 8 - ISO 51



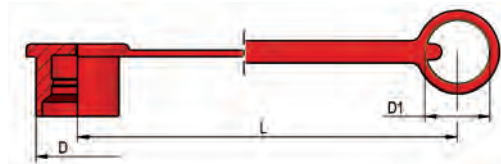
| THREADS | F | STANDARD | FEMMINA - FEMALE - MUFFE - FEMELLE | MASCIO - MALE - STECKER - MALE | | |
|---------|--------------|--------------|------------------------------------|--------------------------------|------------|------------------|
| | | | COD. F | COD. M | Weight (g) | Packaging (pcs.) |
| IG 1 | BSP 2" | DIN 3852-2-X | See PLT1 DN50 | PLK4.5051.113 | 5408 | 4 |
| | NPT 2" | ANSI B1.20.3 | See PLT1 DN50 | PLK4.5051.013 | 5428 | 4 |
| | 1"½ | SAE 3000 | See PLT1 DN50 | PLK4.5051.003 | 6040 | 4 |
| | API 2" | API 5B | See PLT1 DN50 | PLK4.5051.063 | 5912 | 4 |
| IG 2 | 2"½-12 UN 2B | SAE J 1926-1 | See PLT1 DN50 | PLK4.5063.033 | 5280 | 4 |

THREADS

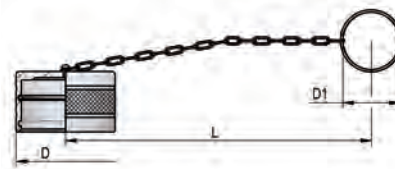
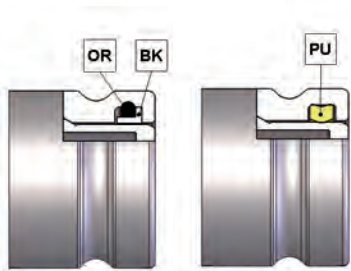


PLASTIC CAPS

| NOMINAL SIZE | | | | MALE DUST CAP | | | | COLOR | MATERIAL |
|--------------|----|------|------------|---------------|-----|------|--------|-------|----------|
| DNP | BG | ISO | COD. M | Dimensions | | | Weight | | |
| | | | | D | L | D1 | (g) | | |
| 06 | 1 | 6.3 | SPLT.06003 | 26 | 200 | 20 | 13 | | PVC |
| 13 | 2 | 10 | SPLT.13003 | 27.5 | 200 | 26 | 15 | | PVC |
| 20 | 3 | 12.5 | SPLT.20003 | 35 | 200 | 31.5 | 26 | | PVC |
| 22 | 4A | 16 | SPLT.22003 | 38 | 197 | 30.5 | 30 | | PVC |
| 25 | 4 | 19 | SPLT.25003 | 43 | 265 | 35 | 41 | | PVC |
| 30 | 5 | 25 | SPLT.30003 | 51 | 270 | 50 | 60 | | PVC |


METAL CAPS

| NOMINAL SIZE | | | | MALE DUST CAP | | | | MATERIAL |
|--------------|----|------|------------|---------------|-----|------|--------|----------|
| DNP | BG | ISO | COD. M | Dimensions | | | Weight | |
| | | | | D | L | D1 | (g) | |
| 06 | 1 | 6.3 | SPLT.06203 | 25 | 200 | 32 | 28 | Aluminum |
| 13 | 2 | 10 | SPLT.13203 | 30 | 200 | 32 | 39 | Aluminum |
| 20 | 3 | 12.5 | SPLT.20203 | 32 | 200 | 32 | 40 | Aluminum |
| 22 | 4A | 16 | SPLT.22203 | 35 | 200 | 32 | 43 | Aluminum |
| 25 | 4 | 19 | SPLT.25203 | 40 | 275 | 47.5 | 66 | Aluminum |
| 30 | 5 | 25 | SPLT.30203 | 45 | 275 | 47.5 | 71 | Aluminum |
| 39 | 7 | 38 | SPLT.39203 | 68 | 275 | 47.5 | 155 | Aluminum |
| 50 | 8 | 51 | SPLK.50203 | 83 | 275 | 47.5 | 210 | Aluminum |


SPARE PARTS


| NOMINAL SIZE | | | MALE GASKET | | MALE GASKET |
|--------------|----|------|-------------|-------------|-------------------|
| DNP | BG | ISO | OR (NBR*) | BK (PTFE) | PU (POLYURETHANE) |
| 06 | 1 | 6.3 | PLT.006.120 | PLT.006.130 | - |
| 13 | 2 | 10 | PLT.013.120 | PLT.013.130 | PLK.013.210 |
| 20 | 3 | 12.5 | PLT.019.120 | PLT.019.130 | PVT.019.210 |
| 22 | 4A | 16 | PLT.022.120 | PLT.022.130 | PVT.022.210 |
| 25 | 4 | 19 | PLT.025.120 | PLT.025.130 | PVT.025.210 |
| 30 | 5 | 25 | PLT.031.120 | PLT.031.130 | PVT.030.210 |
| 39 | 7 | 38 | PLK.039.120 | PLK.039.130 | - |
| 50 | 8 | 51 | PLK.050.120 | PLK.050.130 | - |

* AL CODICE DELLA GUARNIZIONE IN NBR AGGIUNGERE 'E' PER EPDM O 'V' PER VITON

* TO THE NBR GASKET CODE ADD 'E' FOR EPDM OR 'V' FOR VITON

* ZU DER ARTIKELNR. DER NBR DICHTUNG GEBEN SIE 'E' FUER EPDM ODER 'V' FUER VITON AN

* AU CODE DU JOINT EN NBR JOINDRE 'E' POUR EPDM OU 'V' POUR VITON